

OPTIMIZED DEPLOYMENT OF PARTS IN A DISTRIBUTION NETWORK

ABSTRACT OF THE DISCLOSURE

5 A method for deploying parts is disclosed. Locations that include supply
locations and demand locations are defined. A supply location supplies parts to a
demand location. A demand is computed for each part at each location. An
availability lead-time is estimated for each part at each location. A lead-time demand
is computed for each part at each location using the availability lead-times for the
part. A stock level is computed for each part at each location. A completely filled
demand is determined from the lead-time demands and the stock levels, and a
partially filled demand is determined from the lead-time demands and the stock
10 levels. A coverage function for the parts at the locations is generated from the
completely filled demand and the partially filled demand.

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